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DOCKET NO: C1039.70079US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Arthur M. Krieg, et al.
Serial No: 10/627,413
Confirmation No:
Filed: July 25, 2003
For: METHODS FOR TREATING AND PREVENTING
INFECTIOUS DISEASE

Examiner: Not yet assigned
Art Unit: Not yet assigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Arlington, VA 22313-1450, on the 12 day of January, 2004.

Helen C. Lockhart
Helen C. Lockhart

Commissioner for Patents
P.O. Box 1450
Arlington, VA 22313-1450

TRANSMITTAL

Sir:

Transmitted herewith are the following documents:

- ☒ Information Disclosure Statement;
- ☒ PTO Form 1449;
- ☒ Return Receipt Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

No fee is enclosed. If there is a fee associated with this filing, then please charge the amount to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

Helen C. Lockhart

Helen C. Lockhart, Reg. No. 39,248
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Docket No. C1039.70079US00
Date: January 12 2004
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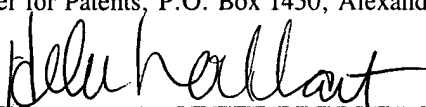
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Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

**STATEMENT FILED PURSUANT TO THE DUTY OF
DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98**

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above-identified case.

No fee or certification is required.

Information Cited

The Applicant hereby makes of record in the above-identified application the information listed on the attached form PTO-1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

The Applicant hereby makes the following additional information of record in the above-identified application.

The applicant would like to bring to the Examiner's attention the following co-pending applications that may contain subject matter related to this application (copies are not enclosed because copies were provided in parent application 09/630,319 to which the instant patent application claims the benefit of priority under 35 U.S.C. §120, except 09/630,319, a copy of which was provided in parent application 10/187,489 to which the instant patent application claims the benefit of priority under 35 U.S.C. §120))

Docket Number	Serial Number	Filing Date	Inventor(s)
C1037.70013US00	09/776,479	2/2/01	Bratzler et al.
C1037.70016US00	09/009,634	1/20/98	Hutcherson et al.
C1037.70019US00	09/920,313	8/1/01	Bratzler et al.
C1037.70021US00	09/949,194	9/7/01	Peterson et al.
C1037.70025US00	10/017,995	12/14/01	Bratzler
C1037.70038US01	10/735,592	12/11/03	Krieg et al.
C1037.70041US00	10/613,749	7/3/03	Krieg
C1037.70042US00	10/613,524	7/3/03	Krieg
C1037.70043US00	10/613,739	7/3/03	Krieg
C1037.70044US00	10/613,716	7/3/03	Krieg
C1037.70045US00	10/613,228	7/3/03	Krieg
C1037.70046US00	10/445,247	6/5/03	Krieg
C1037.70048US00	10/644,052	8/19/03	Krieg et al.
C1037.70049US00	10/643,141	8/18/03	Hutcherson et al.
C1037.70051US00	10/666,733	9/19/03	Bratzler et al.
C1037.70052US00	10/668,050	9/22/03	Bratzler et al.
C1039.70020US00	09/337,584	6/21/99	Krieg et al.
C1039.70022US00	09/337,893	6/21/99	Krieg
C1039.70035US00	09/669,187	09/25/00	Krieg et al.
C1039.70036US00	09/559,140	4/27/00	Noll et al.
C1039.70041US00	09/655,319	9/5/00	Krieg et al.
C1039.70042US00	09/630,319	7/31/00	Krieg et al.
C1039.70043US00	09/629,477	7/31/00	Krieg et al.
C1039.70044US00	09/672,126	9/27/00	Hartmann et al.
C1039.70048US00	09/818,918	3/27/01	Krieg et al.
C1039.70049US00	09/824,468	04/02/01	Krieg et al.
C1039.70052US00	09/888,326	6/22/01	Weiner et al.

Docket Number	Serial Number	Filing Date	Inventor(s)
C1039.70057US00	09/965,101	9/26/01	Davis et al.
C1039.70058US00	10/023,909	12/18/01	Davis et al.
C1039.70060US00	10/112,653	3/29/02	Krieg et al.
C1039.70061US00	10/161,229	6/3/02	Krieg et al.
C1039.70062US00	10/187,489	7/2/02	Krieg et al.
C1039.70063US00	10/224,523	8/19/02	Krieg et al.
C1039.70065US00	10/272,502	10/15/02	Krieg et al.
C1039.70067US00	10/300,247	11/20/02	Davis et al.
C1039.70068US00	10/306,522	11/27/02	Krieg et al.
C1039.70069US00	10/314,578	12/9/02	Krieg et al.
C1039.70070US00	10/382,822	3/6/03	Krieg et al.
C1039.70071US00	10/435,656	5/9/03	Krieg et al.
C1039.70072US00	10/434,696	5/9/03	Davis et al.
C1039.70073US00	TBD	12/22/03	Krieg et al.
C1039.70075US00	10/613,916	7/3/03	Krieg et al.
C1039.70077US00	10/619,279	7/14/03	Krieg
C1039.70078US00	10/627,331	7/25/03	Krieg et al.
C1039.70082US00	10/631,676	7/30/03	Krieg et al.
C1039.70083US00	10/690,495	10/21/03	Krieg
C1039.70084US00	10/649,584	8/25/03	Krieg et al.
C1040.70006US00	09/316,199	5/21/99	McCluskie et al.
C1040.70010US00	09/768,012	1/22/01	Davis et al.
C1041.70002US00	09/241,653	2/2/99	Wagner et al.
C1041.70005US00	09/355,254	7/23/99	Wagner et al.
C1041.70010US00	09/786,436	9/3/99	Wagner et al.
C1041.70014US00	09/895,007	6/28/01	Schetter et al.
C1041.70016US00	09/954,987	9/17/01	Bauer et al.
C1041.70019US00	10/140,013	5/6/02	Schetter et al.
C1041.70029US00	10/212,133	8/1/02	Lipford et al.
C1041.70031US00	10/265,072	10/5/02	Lipford
C1041.70035US00	10/373,381	2/24/03	Wagner et al.
C1041.70037US00	10/407,952	4/4/03	Lipford et al.

Remarks

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;

2. The enclosed form PTO-1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;

3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, the Applicant makes no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

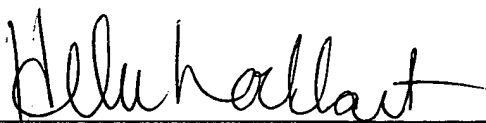
By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, the Applicant makes no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicant, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,
Arthur M. Krieg, et al., *Applicant*

By: 
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Docket No. C1039.70079US00
Date: January 12, 2004
XNDDX

JAN 14 2004

FORM PTO-1449/A and B (Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

APPLICATION NO.: 10/627,413

ATTY. DOCKET NO.: C1039.70079US00

FILING DATE: July 25, 2003

CONFIRMATION NO.:

APPLICANT: Arthur M. Krieg, et al.

GROUP ART UNIT: Not yet assigned

EXAMINER: Not yet assigned

Sheet 1 of 10

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
	*	3,906,092		Hilleman et al.	09-16-1975
	*	5,248,670		Draper et al.	09-28-1993
	*	5,585,479		Hoke et al.	12-17-1996
	*	5,663,153		Hutcherson et al.	09-02-1997
	*	5,723,335		Hutcherson et al.	03-03-1998
	*	5,786,189		Locht et al.	07-28-1998
	*	5,849,719		Carson et al.	12-15-1998
	*	6,194,388	B1	Krieg et al.	02-27-2001
	*	6,207,646	B1	Krieg et al.	03-27-2001
	*	6,214,806	B1	Krieg et al.	04-10-2001
	*	6,218,371	B1	Krieg et al.	04-17-2001
	*	6,225,292	B1	Raz , et al.	05/01/2001
	*	6,239,116	B1	Krieg et al.	05-29-2001
	*	6,339,068	B1	Krieg et al.	01-15-2002
	*	6,406,705	B1	Davis et al.	06-18-2002
	*	6,429,199	B1	Krieg et al.	08-06-2002
	*	6,498,148	B1	Raz	12/24/2002
	*	6,514,948	B1	Raz, et atl	02/04/2003
	*	6,534,062	B2	Krieg, et al.	03/18/2003
	*	6,552,006	B2	Raz et al.	04/22/2003
	*	6,562,798	B1	Schwartz	05/13/2003
	*	6,589,940	B1	Raz et al.	07/08/2003
	*	6,610,661	B1	Carson et al.	08/26/2003
	*	6,653,292	B1	Krieg et al.	11/25/2003
	*	US 2001/0046967	A1	Van Nest	11/29/2001
	*	US 2002/0028784	A1	Van Nest	03/07/2002
	*	US 2002/0055477	A1	Nest	05/09/2002
	*	US 2002/0098199	A1	Nest et al.	07/25/2002
	*	US 2002/0107212	A1	Van Nest et al.	08/08/2002
	*	US 2002/0142978	A1	Van Nest et al.	10/03/2002
	*	US 2002/0156033	A1	Raz et al.	10/24/2002
	*	US 2003/0049266	A1	Bratzler et al.	03/13/2003
	*	US 2003/0050263	A1	Fearon et al.	03/13/2003
	*	US 2003/0078223	A1	Krieg et al.	04/24/2003
	*	US 2003/0092663	A1	Raz et al.	05/15/2003
	*	US 2003/0109469	A1	Raz	06/12/2003
	*	US 2003/0119773	A1	Carson et al.	06/26/2003
	*	US 2003/0129251	A1	Raz et al.	07/10/2003

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/627,413		ATTY. DOCKET NO.: C1039.70079US00	
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Sheet	2	of	10				

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document			Name of Patentee or Applicant of Cited Document	D
	*	US 2003/0133988	A1	Van Nest et al.	07/17/2003	
	*	US 2003/0143213	A1	Fearon et al.	07/31/2003	
	*	US 2003/0147870	A1	Raz et al.	08/07/2003	
	*	US 2003/0175731	A1	Raz et al.	09/18/2003	
	*	US 2003/0186921	A1	Rearon et al.	10/02/2003	
	*	US 2003/0199466	A1	Fearon et al.	10-23-2003	
	*	US 2003/0212028	A1	Raz et al.	11-13-2003	
	*	US 2003/0216340	A1	Van Nest et al.	11-20-2003	

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			
	*	GB	2216416A		Sandoz, Ltd.	11-10-1989	
	*	WO	91/12811		PCT	09-05-1991	
	*	EPO	0468520 A3		EPO	01-29-1992	
	*	WO	92/03456		PCT	03-05-1992	
	*	WO	92/18522		PCT	10-29-1992	
	*	WO	92/21353		PCT	12-10-1992	
	*	EPO	0302758 81		EPO	03-16-1994	
	*	WO	94/19945		PCT	09-15-1994	
	*	WO	95/05853		Regents of the University of CA	03-02-1995	
	*	WO	95/26204		PCT	10-05-1995	
	*	WO	96/02555		PCT	02-01-1996	
	*	WO	96/35782		Applied Research Systems	11-14-1996	
	*	WO	97/28259		PCT	08-07-1997	
	*	WO	98/14210		PCT	04-09-1998	
	*	WO	98/16247		Regents of the University of CA	04-23-1998	
	*	WO	98/18810		PCT	05-07-1998	
	*	WO	98/32462	A1	Wagner et al.	07-30-1998	
	*	WO	98/37919		PCT	09-03-1998	
	*	WO	98/40100		PCT	09-17-1998	
	*	WO	98/52581		PCT	11-26-1998	
	*	WO	98/55495	A2	Dynavax Tech. Corp.	03/11/1998	
	*	WO	99/11275	A2	Regents of the University of CA	03-11-1999	
	*	WO	99/62923	A2	Dynavax Tech. Corp.	12/09/1999	
	*	WO	00/20039	A1	Regents of the University of CA	04/13/2000	

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Sheet	3	of	10				

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	*	WO	00/21556	A1	Dynavax Tech Corp.	04/20/2000	
	*	WO	00/62781	A1	Regents of the University of CA	10/26/2000	
	*	WO	01/02007	A1	The Reagents of the Univ. of California	01-11-2001	
	*	WO	01/12804	A2	Hybridon, Inc.	02-22-2001	
	*	WO	01/12223	A2	Dynavax Tech. Corp.	02-22-2001	
	*	WO	01/55341	A2	The Reagents of the Univ. of California	08-02-2001	
	*	WO	01/68117	A2	Dynavax Tech. Corp.	09-20-2001	
	*	WO	01/68116	A2	Dynavax Tech. Corp.	09-20-2001	
	*	WO	01/68078	A2	Dynavax Tech. Corp.	09-20-2001	
	*	WO	01/68077	A2	Dynavax Tech. Corp.	09-20-2001	
	*	WO	01/68103	A2	Dynavax Tech. Corp.	09-20-2001	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	ADYA N et al., Expansion of CREB's DNA recognition specificity by Tax results from interaction with Ala-Ala-Arg at positions 282-284 near the conserved DNA-binding domain of CREB. <i>Proc Natl Acad Sci USA</i> (1994) 91(12):5642-6.	
	*	AGRAWAL, et al., Pharmacokinetics of Antisense Oligonucleotides, <i>Clin. Pharmacokinet</i> (1995) 28(1):7.	
	*	ANDERSON, G., et al. "TH2 and 'TH2-like' cells in allergy and asthma; pharmacological perspectives", <i>TiPS</i> , 15:324-332, (1994)	
	*	ANGIER, N., Microbe DNA Seen as Alien By Immune System, <i>New York Times</i> , 4/11/95.	
	*	AZAD RF et al., Antiviral Activity of a Phosphorothioate Oligonucleotide Complementary to RNA of the Human Cytomegalovirus Major Immediate-Early Region, <i>Antimicrobial Agents and Chemotherapy</i> , 37:1945-1954, September, 1993.	
	*	AZUMA, Biochemical and Immunological Studies on Cellular Components of Tubercle Bacilli, <i>Kekkaku</i> , (1992) Vol. 69, 9:45-55.	
	*	BALLAS ZK et al., Induction of NK activity in murine and human cells by CpG motifs in oligodeoxynucleotides and bacterial DNA. <i>J Immunol</i> (1996) 157(5):1840-5.	
	*	BAYEVER, E., Systemic Administration of a Phosphorothioate Oligonucleotide with a Sequence Complementary to p53 for Acute Myelogenous leukemia and Myelodysplastic Syndrome: Initial Results of a Phase I Trial, <i>Antisense Res. & Dev.</i> (1993), 3:383-390.	
	*	BENNETT RM et al., DNA binding to human leukocytes. Evidence for a receptor-mediated association, internalization, and degradation of DNA. (1985) <i>J Clin Invest</i> 76(6):2182-90.	
	*	BERG DJ et al., Interleukin-10 is a central regulator of the response to LPS in murine models of endotoxemic shock and the Shwartzman reaction but not endotoxin tolerance. <i>J Clin Invest</i> (1995) 96(5):2339-47.	
	*	BLANCHARD DK et al., Interferon-gamma induction by lipopolysaccharide: dependence on interleukin 2 and macrophages. <i>J Immunol</i> (1986) 136(3):963-70.	
	*	BLAXTER et al., Genes expressed in <i>Brugia malayi</i> infective third stage larvae. <i>Molecular and Biochemical Parasitology</i> , 77:77-93.	

JAN 14 2004

FORM PTO 449/A and B (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

APPLICATION NO.: 10/627,413

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FILING DATE: July 25, 2003

CONFIRMATION NO.:

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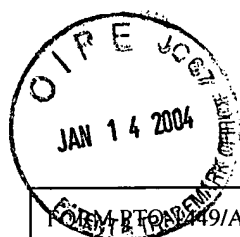
GROUP ART UNIT: Not yet assigned

EXAMINER: Not yet assigned

Sheet 4 of 10

OTHER ART -- NON PATENT LITERATURE DOCUMENTS

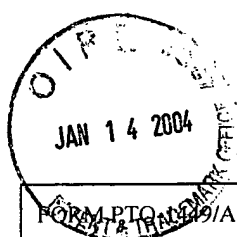
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	BOGGS RT et al., Characterization and modulation of immune stimulation by modified oligonucleotides. <i>Antisense Nucleic Acid Drug Dev</i> (1997) 7(5):461-71.	
	*	BRANDA et al., Immune Stimulation by an Antisense Oligomer Complementary to the rev gene of HIV-1, <i>Biochemical Pharmacology</i> , (1993) Vol. 45, 10:2037-2043.	
	*	BRANDA RF et al., Amplification of antibody production by phosphorothioate oligodeoxynucleotides, <i>J. Lab Clin Med</i> (1996) 128(3):329-38.	
	*	BRISKIN M et al., Lipopolysaccharide-unresponsive mutant pre-B-cell lines blocked in NF-kappa B activation, (1990) <i>Mol Cell Biol</i> 10(1):422-5.	
	*	CHACE, J. et al., Regulation of Differentiation in CD5+ and Conventional B Cells, <i>Clinical Immunology and Immunopathology</i> , (1993) 68:3:327-332.	
	*	CHANG YN et al., The palindromic series I repeats in the simian cytomegalovirus major immediate-early promoter behave as both strong basal enhancers and cyclic AMP response elements, <i>J Virol</i> (1990) 64(1):264-77.	
	*	CHU RS et al., CpG oligodeoxynucleotides act as adjuvants that switch on T helper I (Th1) immunity, (1997) <i>J Exp Med</i> 186(10):1623-31..	
	*	COSSUM et al., <i>Pharmacokinetics of a 14C-Labeled Phosphorothioate Oligonucleotide, ISIS 2105, after Intradermal Administration to Rats</i> , <i>J Pharmacol Exp Therapeutics</i> (1993) 269(1):89.	
	*	COWDERY JS et al., Bacterial DNA induces NK cells to produce IFN-gamma in vivo and increases the toxicity of lipopolysaccharides, <i>J Immunol</i> (1996) 156(12):4570-5.	
	*	CROSBY et al., The Early Responses Gene FGFI-C Encodes a Zinc Finger Transcriptional Activator and is a Member of the GCGGGGGCG (GSG) Element-Binding Protein Family, <i>Mol. Cell. Biol.</i> (1991) 2:3835-3841.	
	*	CRYSTAL, Transfer of Genes to Humans: Early Lessons and Obstacles to Success. <i>Science</i> , (1995) Vol. 270, pp. 404-410.	
	*	D'ANDREA A et al., Interleukin 10 (IL-10) inhibits human lymphocyte interferon gamma-production by suppressing natural killer cell stimulatory factor/IL-12 synthesis in accessory cells, <i>J Exp Med</i> (1993) 178(3):1041-8.	
	*	ELKINS, K. L., Rhinehart-Jones, T. R., et al., "Bacterial DNA containing CpG motifs stimulates lymphocyte-dependent protection of mice against lethal infection with intracellular bacteria." <i>J Immunol</i> 162:2291-2298, 1999.	
	*	ENGLISCH et al., Chemically Modified Oligonucleotides as Probes and Inhibitors, <i>Angew. Chem. Int. Ed. Engl</i> (1991) 30:613-629.	
	*	ERB KJ et al., Infection of mice with Mycobacterium bovis-Bacillus Calmette-Guerin (BCG) suppresses allergen- induced airway eosinophilia, <i>J Exp Med</i> (1998) 187(4):561-9..	
	*	ETLINJER, Carrier sequence selection - one key to successful vaccines, <i>Immunology Today</i> , (1992) Vol. 13, 2:52-55.	
	*	FOX RI, Mechanism of action of hydroxychloroquine as an antirheumatic drug. <i>Chemical Abstracts</i> , (1994) 120:15, Abstract No. 182630.	
	*	FREIDAG, B. L et al., "CpG oligodeoxynucleotides and interleukin-12 improve the efficacy of Mycobacterium bovis BCG vaccination in mice challenged with M. tuberculosis.: <i>Infect Immun</i> 68:2948-2953, 2000.	
	*	GAO, W-Y et al., Phosphorothioate oligonucleotides are inhibitors of human DNA polymerases and Rnase H: Implications for antisense technology. <i>Mol. Pharmacol.</i> (1992), 41, 223-229.	
	*	GURA, T., Antisense Has Growing Pains. <i>Science</i> (1995), 270:575-576.	
	*	HADDEN J et al., Immunopharmacology, <i>JAMA</i> , (1992) 268:20:2964-2969.	



FORM PTO/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/627,413 FILING DATE: July 25, 2003 APPLICANT: Arthur M. Krieg, et al. GROUP ART UNIT: Not yet assigned	ATTY. DOCKET NO.: C1039.70079US00 CONFIRMATION NO.: EXAMINER: Not yet assigned
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	HADDEN J et al., Immunostimulants. <i>TIPS</i> , (1993), 141:169-174.	
	*	HALPERN MD et al., Bacterial DNA induces murine interferon-gamma production by stimulation of interleukin-12 and tumor necrosis factor-alpha. <i>Cell Immunol</i> (1996) 167(1):72-8.	
	*	HATZFELD J., Release of Early Human Hematopoietic Progenitors from Quiescence by Antisense Transforming Growth Factor β 1 or Rb Oligonucleotides, <i>J. Exp. Med.</i> , (1991) 174:925-929.	
	*	HAYASHI, T. et al., "Enhancement of innate immunity against Mycobacterium avium infection by immunostimulatory DNA is mediated by indoleamine 2,3-dioxygenase." <i>Infect Immun</i> 69:6156-6164, 2001.	
	*	HIGHFIELD PE, Sepsis: the More, the Murkier. <i>Biotechnology</i> , (1994) 12:828.	
	*	HOEFFLER JP et al., Identification of multiple nuclear factors that interact with cyclic adenosine 3',5'-monophosphate response element-binding protein and activating transcription factor-2 by protein-protein interactions., (1994) <i>Mol Endocrinol</i> 5(2):256-66.	
	*	HORSPOOL JH et al., Nucleic acid vaccine-induced immune responses require CD28 costimulation and are regulated by CTLA4. (1998) <i>J. Immunol</i> , 160, 2706-2714.	
	*	IGUCHI-ARIGA SM and Shaffner W, CpG methylation of the cAMP-responsive enhancer/promoter sequence TGACGTCA abolishes specific factor binding as well as transcriptional activation. <i>Genes Dev</i> (1989) 3(5):612-9.	
	*	ISHIKAWA R et al., IFN induction and associated changes in splenic leukocyte distribution. <i>J Immunol</i> (1993) 150(9):3713-27.	
	*	IVERSON, P., et al., "Pharmacokinetics of an Antisense Phosphorothioate Oligodeoxynucleotide against rev from Human Immunodeficiency Virus Type 1 in the Adult male Rat Following Single Injections and Continuous Infusion", <i>Antisense Research and Development</i> , (1994) 4:43-52.	
	*	JAKWAY JP et al., Growth regulation of the B lymphoma cell line WEHI-231 by anti-immunoglobulin, lipopolysaccharide, and other bacterial products. <i>J Immunol</i> (1986) 137(7):2225-31.	
	*	JAROSZEWSKI JW and Cohen JS, Cellular uptake of antisense oligonucleotides. <i>Adv Drug Delivery Rev</i> (1991) 6(3):235-50.	
	*	JONES TR et al., Synthetic oligonucleotides containing CpG motifs enhance immunogenicity of a peptide malaria vaccine in Aotus monkeys. <i>Vaccine</i> (1999) 17, 3065-3071.	
	*	JUFFERMANS, N. P. et al., "CpG oligodeoxynucleotides enhance host defense during murine tuberculosis." <i>Infect Immun</i> 70:147-152, 2002.	
	*	KATAOKA, T. et al., Antitumor Activity of Synthetic Oligonucleotides with Sequences from cDNA Encoding Proteins of Mycobacterium bovis BCG, <i>JPN. J. Cancer Res.</i> (1992) 83:244.	
	*	KAWANO, K., et al., "Analysis and Regulation of interferon-gamma production by peripheral blood lymphocytes from patients with bronchial asthma", ABSTRACT, <i>Alerugi</i> , 43:3:482-91, (1994)	
	*	KIMURA Y et al., Binding of Oligoguanylate to Scavenger Receptors Is Required for Oligonucleotides to Augment NK Cell Activity and Induce IFN, <i>J. Biochem.</i> , (1994) Vol. 116, 5:991-994.	
	*	KLINE JN et al., CpG motif oligonucleotides are effective in prevention of eosinophilic inflammation in a murine model of asthma. <i>J Invest Med</i> (1996) 44(7):380A.	
	*	KLINE JN et al., CpG oligonucleotides can reverse as well as prevent Th2-mediated inflammation in a murine model of asthma. <i>J Invest Med</i> (1997) 45(7):298A.	
	*	KLINE JN et al., "Immune redirection by CpG oligonucleotides. Conversion of a Th2 response to a Th1 response in murine model of asthma." <i>J. Invest Med.</i> 45(3):282A, 1997.	



FORM PTO 1019/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/627,413	ATTY. DOCKET NO.: C1039.70079US00
		FILING DATE: July 25, 2003	CONFIRMATION NO.:
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

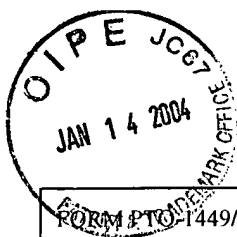
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	KLINMAN DM et al., CpG motifs present in bacteria DNA rapidly induce lymphocytes to secrete interleukin 6, interleukin 12, and interferon gamma. <i>Proc Natl Acad Sci USA</i> (1996) 93(7):2879-83.	
	*	KLINMAN, D. et al., <i>Immune Recognition of Foreign DNA: A Cure for Bioterrorism?</i> , <i>Immunity</i> (1999) 11:123.	
	*	KLINMAN, D. M. et al., "Repeated administration of synthetic oligodeoxynucleotides expressing CpG motifs provides long-term protection against bacterial infection. <i>Infect Immun</i> 67:5658-5663, 1999"	
	*	KLINMAN, D. M., Kamstrup, S., Verthelyi, D., Gursel, I., Ishii, K. J., Takeshita, F., and Gursel, M. Activation of the innate immune system by CpG oligodeoxynucleotides: immunoprotective activity and safety. <i>Springer Semin Immunopathol</i> 22:173-183, 2000	
	*	KRIEG, A. M., et al., "CpG DNA induces sustained IL-12 expression <i>in vivo</i> and resistance to <i>Listeria monocytogenes</i> challenge." <i>J Immunol</i> 161:2428-2434, 1998.	
	*	KRIEG, CpG Motifs in Bacterial DNA and Their Immune Effects, <i>Annu. Rev. Immunol.</i> (2002) 20:709	
	*	KRIEG AM et al, A Role for Endogenous Retroviral Sequences in the Regulation of Lymphocyte Activation, <i>Journal of Immunology</i> , Vol. 143, 2448-2451	
	*	KRIEG AM et al, The role of CpG dinucleotides in DNA vaccines, <i>Trends in Microbiology</i> , Vol. 6, pp. 23-27, Jan 1998.	
	*	KRIEG AM et al, Phosphorothioate Oligodeoxynucleotides: Antisense or Anti-Protein?, <i>Antisense Research and Development</i> , (1995), 5:241	
	*	KRIEG AM et al., CpG DNA: A Pathogenic Factor in Systemic Lupus Erythematosus?, <i>Journal of Clinical Immunology</i> , (1995) 15:6:284-292	
	*	KRIEG AM et al., CpG motifs in bacterial DNA trigger direct B-cell activation. <i>Nature</i> 374:546-9, 1995.	
	*	KRIEG AM et al., Leukocyte Stimulation by Oligodeoxynucleotides, <i>Applied Antisense Oligonucleotide Technology</i> , (1998), 431-448	
	*	KRIEG AM et al., Modification of antisense phosphodiester oligodeoxynucleotides by a 5' cholesteryl moiety increases cellular association and improves efficacy, <i>Proc. Natl. Acad. Sci.</i> , (1993), 90:1048-1052.	
	*	KRIEG AM et al., Oligodeoxynucleotide modifications determine the magnitude of B cell stimulation by CpG motifs. <i>Antisense Nucleic Acid Drug Dev</i> (1996) 6(2):133-9.	
	*	KRIEG AM et al., Uptake of oligodeoxyribonucleotides by lymphoid cells is heterogeneous and inducible. <i>Antisense Res Dev</i> (1991) 1(2):161-71.	
	*	KRIEG AM, An innate immune defense mechanism based on the recognition of CpG motifs in microbial DNA. <i>J Lab Clin Med</i> (1996) 128(2):128-33.	
	*	KURAMOTO et al., Oligonucleotide Sequences Required for Natural Killer Cell Activation, <i>Jpn. J. Cancer Res.</i> , (1992) 83:1128-1131.	
	*	LAGRANGE et al., Immune Responses Directed Against Infectious and Parasitic Agents, <i>Principle Types of Immune Responses</i> .	
	*	LEONARD et al., Conformation of Guanine 8-Oxoadenine Base Pairs in the Crystal Structure of d(CGCGAATT(08A)GCG), <i>Biochemistry</i> (1992) 31(36):8415-8420.	
	*	LIPFORD, G. B. et al. "Immunostimulatory DNA: sequence-dependent production of potentially harmful or useful cytokines." <i>Eur J Immunol</i> 27:3420-3426, 1997.	
	*	MACFARLANE DE and Manzel L, Antagonism of immunostimulatory CpG-oligodeoxynucleotides by quinacrine, chloroquine, and structurally related compounds. <i>J Immunol</i> (1998) 160(3):1122-31.	
	*	MANZEL L and Macfarlane DE, Lack of Immune Stimulation by Immobilized CpG-oligonucleotide. <i>Antisense & Nucleic Acid Drug Development</i> , (1999) 459-464.	



FORM 1-B (Rev. 11/99) A and B (Modified)		APPLICATION NO.: 10/627,413	ATTY. DOCKET NO.: C1039.70079US00
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: July 25, 2003	CONFIRMATION NO.:
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

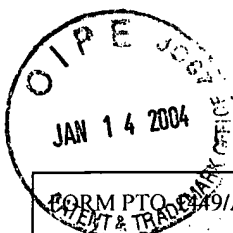
Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	MASTRANGELO MJ et al., Gene therapy for human cancer: an essay for clinicians. <i>Seminars in Oncology</i> (1996) 23(1):4-21.	
	*	MATSON S and Krieg AM, Nonspecific suppression of [3H]thymidine incorporation by "control" oligonucleotides. <i>Antisense Res Dev</i> (1992) 2(4):325-30.	
	*	MCINTYRE KW et al., A sense phosphorothioate oligonucleotide directed to the initiation codon of transcription factor NF-kappa B p65 causes sequence-specific immune stimulation. <i>Antisense Res Dev</i> (1993) 3(4):309-22.	
	*	MESSINA et al., Stimulation of <i>in vitro</i> Murine Lymphocyte Proliferation by Bacterial DNA. <i>J. Immunol.</i> , (1991) Vol. 147, 6:1759-1764.	
	*	MESSINA et al., The Influence of DNA Structure on the <i>in vitro</i> Stimulation of Murine Lymphocytes by Natural and Synthetic Polynucleotide Antigens. <i>Cellular Immunology</i> , (1993) 147:148-157.	
	*	MOJCIK, C., et al., Administration of a Phosphorothioate Oligonucleotide Antisense Murine Endogenous Retroviral MCF env Causes Immune Effect in vivo in a Sequence-Specific Manner, <i>Clinical Immunology and Immunopathology</i> , (1993) 67:2:130-136.	
	*	MOTTRAM et al., A novel CDC2-related protein kinase from leishmania mexicana LmmCRK1 is post-translationally regulated during the life cycle. <i>J. Biol. Chem.</i> (1993) 268:28, 21044-21052.	
	*	<i>New England BIOLABS 1988-1989 Catalog</i>	
	*	NYCE JW and Metzger WJ, DNA antisense therapy for asthma in an animal model. <i>Nature</i> (1997) 385:721-725.	
	*	PISETSKY DS, The immunologic properties of DNA. <i>J Immunol</i> (1996) 156(2):421-3.	
	*	PISETSKY et al., Stimulation of Murine Lymphocyte Proliferation by a Phosphorothioate Oligonucleotide with Antisense Activity for Herpes Simplex Virus. <i>Life Science</i> , (1994) Vol. 54, pp. 101-107.	
	*	PISETSKY, D., "Stimulation of in vitro proliferation of murine lymphocytes by synthetic oligodeoxynucleotides", <i>Molecular Biology Repairs</i> , (1993) 18:217-221.	
	*	PISETSKY, Immunological Consequences of Nucleic Acid Therapy, <i>Antisense Research and Development</i> , (1995) 5:219-225.	
	*	RAZ E et al., Preferential induction of a Th1 immune response and inhibition of specific IgE antibody formation by plasmid DNA immunization. <i>Proc Natl Acad Sci USA</i> (1996) 93(10):5141-5.	
	*	RICCI, M., et al., "T cells, cytokines, IgE and allergic airways inflammation", <i>J invest Allergol Clin Immunol</i> , 4:5:214-220, (1994)	
	*	ROMAN M et al., Immunostimulatory DNA sequences function as T helper-1-promoting adjuvants. <i>Nat Med</i> (1997) 3(8):849-54.	
	*	SATO et al., Immunostimulatory DNA Sequences Necessary for Effective Intradermal Gene Immunization, <i>Science</i> , (1996) Vol. 273, pp. 352-354.	
	*	SCHNELL et al., Identification and characterization of a <i>Saccharomyces cerevisiae</i> gene (PARI) conferring resistance to iron chelators. <i>Eur. J. Biochem.</i> , 200:487-493.	
	*	SCHWARTZ DA et al., CpG motifs in bacterial DNA cause inflammation in the lower respiratory tract. <i>J Clin Invest</i> (1997) 100(1):68-73.	
	*	SCHWARTZ DA et al., Endotoxin responsiveness and grain dust-induced inflammation in the lower respiratory tract. <i>Am J Physiol</i> (1994) 267(5 Pt 1):L609-17.	
	*	SCHWARTZ DA et al., The role of endotoxin in grain dust-induced lung disease. <i>Am J Respir Crit Care Med</i> (1995) 152(2):603-8..	



FORM PTO 1449/A and B (Modified)		APPLICATION NO.: 10/627,413	ATTY. DOCKET NO.: C1039.70079US00
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	SEDEGAH, M. et al. "Interleukin 12 induction of interferon g-dependent protection against malaria." <i>Proc Natl Acad Sci U S A</i> 91:10700-10702, 1994.	
	*	SETHI, S. et al. "Postexposure prophylaxis against prion disease with a stimulator of innate immunity." <i>Lancet</i> 360:229-230, 2002.	
	*	SHIRAKAWA T et al., The inverse association between tuberculin responses and atopic disorder. <i>Science</i> (1997) 275(5296):77-9.	
	*	SPARWASSER T et al., Macrophages sense pathogens via DNA motifs: induction of tumor necrosis factor-alpha-mediated shock. <i>Eur J Immunol</i> (1997) 27(7):1671-9.	
	*	SPIEGELBERG, H., et al., "Recognition of T Cell Epitopes and Lymphokine Secretion by Rye Grass Allergen Lolium perenne I-Specific Human T Cell Clones", <i>J of Immunology</i> , 4706-4711, (1994)	
	*	STACEY, K. J et al. "Immunostimulatory DNA as an adjuvant in vaccination against Leishmania major." <i>Infect Immun</i> 67:3719-3726, 1999.	
	*	STEIN CA et al., Oligonucleotides as inhibitors of gene expression: a review. <i>Cancer Research</i> , (1988) 48:2659-2668.	
	*	STULL et al., Antigene, Ribozyme, and Aptamer Nucleic Acid Drugs: Progress and Prospects, <i>Pharmaceutical Res.</i> , (1995) Vol. 12, 4:465-483.	
	*	SUBRAMANIAN et al., Theoretical Considerations on the "Spine of Hydration" in the Minor Groove of d(CGCGAATTCGCG) d(GCGCTTAAGCGC): Monte Carlo Computer Simulation. <i>Proc. Nat'l. Acad. Sci. USA</i> , (1988) 85:1836-1840.	
	*	TANAKA T et al., An antisense Oligonucleotide complementary to a sequence in IG2b increases G2b germline transcripts stimulates B cell DNA synthesis and inhibits immunoglobulin secretion. <i>J. Exp. Med.</i> , (1992) 175:597-607.	
	*	THORNE PS., Experimental grain dust atmospheres generated by wet and dry aerosolization techniques. <i>Am J Ind Med</i> (1994) 25(1):109-12.	
	*	TOKUNAGA T et al., A synthetic single-stranded DNA, poly(dG,dC), induces interferon-alpha/beta and -gamma, augments natural killer activity, and suppresses tumor growth. <i>Jpn J Cancer Res</i> (1988) Jun;79(6):682-6.	
	*	TOKUNAGA T et al., Synthetic Oligonucleotides with Particular Base Sequences form the cDNA Encoding Proteins of <i>Myobacterium bovis</i> BCG Induce Interferons and Activate Natural Killer Cells, <i>Microbiol. Immunol.</i> , (1992) Vol. 36, 1:55-66.	
	*	UHLMANN et al., Antisense Oligonucleotides: A New Therapeutic Principle. <i>Chemical Reviews</i> , (1990) 90:543-584.	
	*	WAGNER RW, Gene inhibition using antisense oligodeoxynucleotides. <i>Nature</i> , (1994) 372:L333-335.	
	*	WALKER, P. S. et al. "Immunostimulatory oligodeoxynucleotides promote protective immunity and provide systemic therapy for leishmaniasis via IL-12- and IFN-g-dependent mechanisms." <i>Proc Natl Acad Sci U S A</i> 96:6970-6975, 1999.	
	*	WALKER, C., et al., "Activated T Cells and Cytokines in Bronchoalveolar Lavages from Patients with Various Lung Diseases Associated with Eosinophilia", <i>Am J Respir Crit Care Med</i> , 150:1038-1048, (1994)	
	*	WALLACE et al., Oligonucleotide probes for the screening of recombinant DNA libraries. <i>Methods in Enzymology</i> , (1987) 152:432-442.	
	*	WEISS R., Upping the Antisense Ante: Scientists bet on profits from reverse genetics. <i>Science</i> , (1991) 139:108-109.	



FORM PTO 39/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/627,413	ATTY. DOCKET NO.: C1039.70079US00
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	WHALEN R, DNA Vaccines for Emerging Infection Diseases: What If?, <i>Emerging Infectious Disease</i> , (1996) Vol. 2, 3:168-175.	
	*	WOOLDRIDGE, JE et al., Immunostimulatory oligodeoxynucleotides containing CpG motifs enhance the efficacy of monoclonal antibody therapy of lymphoma. <i>Blood</i> , (1997)89:2994-2998.	
	*	WU GY et al., Receptor-mediated gene delivery and expression in vivo. <i>J. Biol. Chem.</i> , (1988) 263:14621-14624.	
	*	WU-PONG S., Oligonucleotides: Opportunities for Drug Therapy and Research. <i>Pharmaceutical Technology</i> , (1994) 18:102-114.	
	*	YAMAMOTO et al., Lipofection of Synthetic Oligodeoxyribonucleotide Having a Palindromic Sequence AACGTT to Murine Splenocytes Enhances Interferon Production and Natural Killer Activity. <i>Microbiol. Immunol.</i> , (1994) Vol. 38, 10:831-836.	
	*	YAMAMOTO S et al., DNA from bacteria, but not from vertebrates, induces interferons, activates natural killer cells and inhibits tumor growth. <i>Microbiol Immunol</i> (1992) 36(9):983-97.	
	*	YAMAMOTO S et al., <i>In vitro</i> augmentation of natural killer cell activity and production of interferon-alpha/beta and -gamma with deoxyribonucleic acid fraction from <i>Mycobacterium bovis</i> BCG. <i>Jpn J Cancer Res</i> (1988) 79:866-73.	
	*	YAMAMOTO S et al., Unique Palindromic Sequences in Synthetic Oligonucleotides are Required to Induce INF and Augment INF-Mediated Natural Killer Activity. <i>J. Immunol.</i> , (1992) Vol. 148, 12:4072-4076.	
	*	YAMAMOTO S., Mode of Action of Oligonucleotide Fraction Extracted from <i>Mycobacterium bovis</i> BCG, <i>Kekkaku</i> , (1994) Vol. 69, 9:29-32.	
	*	YAMAMOTO T et al., Ability of Oligonucleotides with Certain Palindromes to Induce Interferon Production and Augment Natural Killer Cell Activity is Associated with Their Base Length. <i>Antisense Res. and Devel.</i> , (1994) 4:119-123.	
	*	YAMAMOTO T et al., Synthetic Oligonucleotides with Certain Palindromes Stimulate Interferon Production of Human Peripheral Blood Lymphocytes <i>in vitro</i> . <i>Jpn. J. Cancer Res.</i> , (1994) 85:775-779.	
	*	YI, Ae-Kyung et al., Rapid Immune Activation by CpG Motifs in Bacterial DNA, <i>J Immunol</i> , (1996) 157:5394-5402.	
	*	YI, A-K et al., IFN- γ promotes IL-6 and IgM secretion in response to CpG motifs in bacterial DNA and oligonucleotides, <i>J Immunol</i> (1996)156(2):558-64.	
	*	ZELPHATI, O.et al., Inhibition of HIV-1 Replication in Cultured Cells with Antisense Oligonucleotides Encapsulated in Immunoliposomes, <i>Antisense Research and Development</i> (1993) 3:323.	
	*	ZHAO Q et al., Comparison of cellular binding and uptake of antisense phosphodiester, phosphorothioate, and mixed phosphorothioate and methylphosphonate oligonucleotides. <i>Antisense Res Dev</i> (1993).	
	*	ZHAO Q et al., Stage-specific oligonucleotide uptake in murine bone marrow B-cell precursors. <i>Blood</i> (1994) 84(11):3660-6.	



INFORMATION DISCLOSURE STATEMENT BY APPLICANT				APPLICATION NO.: 10/627,413		ATTY. DOCKET NO.: C1039.70079US00	
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OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
	*	ZIMMERMANN, S. et al., "CpG oligodeoxynucleotides trigger protective and curative Th1 responses in lethal murine leishmaniasis." <i>J Immunol</i> 160:3627-3630, 1998.	

EXAMINER	DATE CONSIDERED
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